9109022-0A

DATA VALIDATION COVER SHEET

L. Site Name: _	CIBAGEI	<u> </u>	<u> </u>	·
2. Case/SAS#: _		3. SDG	#: <u>6684A</u>	-1
. Data Validat: (if applic: 5. Data Reviewe:	ion Subcontractor: able) r:	<u> JB</u>	ARTELS.	
EMDC. ED	(s) Description/ n: Layelconcept	ration Co	2) nornectic	X IBF
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INStrumen	It log no les	8 ori	gival C	OC (pink)
:	<u> </u>			
7. Date(s) Resu Requested:	ibmission(s)	23 00	vd Jund	8
8. Date(s) Rest. Received:	ubmission(s) 2/	13/92		
9. Unresolved	Item(s):	<i>H</i>		
•	10. Prime Contra Signature: Date:	actor:	LOCK HI JUNA 4/28/	EED ESAT BL
	Dere.			•

Environmental Services Assistance Teams Region 1

19 Crosby Drive Bedford, Massachusetts 01730

Ms. Margaret Leshen
Regional Sample Control Custodian
U.S. Environmental Protection Agency
90 Canal Street
Boston, Massachusetts 02114

February 6, 1992 Revised 4/8/92 B-92-04-Y

Re: TID No. 01-92-01-15
SAS No. 6684A, SDG No. 6684A-1
Keystone / NEA Environmental Resources
CIBA GEIGY Cranston, RI.

BU# 0100033-04

Dioxin:/4/Aqueous/6684A-3,6684A-4,6684A-5,6684A-6 PEM/2/Soil/6684A-1,6684A-2

Dear Ms. Leshen:

A validation was performed on the dioxin/furan analytical data for 4 aqueous samples and 2 PEM samples collected at the Ciba-Geigy site in Cranston, RI. The samples were analyzed according to SAS 6684A Specifications. The data were evaluated based on the following parameters:

- Data Completeness
- * PEM Samples
 - Window Defining Mix
- Calibration
- * Column Performance
- Internal Standards
- * Recovery Standards
 - Method Blanks
 - Duplicate Samples
 - Matrix Spike/Matrix Spike Duplicates
- * Concentration/EMPC/EDL
- * Total Congener Concentrations
 - Toxic Equivalent Factors
- * All criteria were met for this parameter

Table 1 summarizes the validation recommendations which were based on the following information:

Please contact Janine Bartels at the Lockheed ESAT office at (617) 275-7868 should you have any questions or comments regarding the information.

Very truly yours,

LOCKHEED ENGINEERING & SCIENCES COMPANY

Janine Bartels Senior Scientist

Jack Berges

ESAT Team Manager

ATTACHMENT I



DIOXIN DATA REVIEW WORKSHEET

Regional Review of Dioxin Data Package

The hard copied (laboratory name received at Region I has been reviperformance data summarized.	ewed a	data package and the quality assurance and data review included:			
Case No. (684A Sampling Date 9 111 /91 Matrix Water Date Received by Laboratory	SAS No. (84A No. of Samples 12 Shipping Date 9/11/9				
Sample Nos.:					
PEM Nos. Fortified Std GIUSI2SP62-01 The general criteria used to determine the performance were based on an examination of: EPA Identification No. WEE(56 6(84) - 3 083 0 4 7 6(84) 6 6 6 6 6 6 6 6 6					
o PEM Samples	0	Internal Standard response			
o Initial and continuing	0	Recovery standard areas			
calibrations	0	Matrix spike analysis			
o Retention time marker	0	Duplicate analysis			
solutions	0	Method blanks			
o Estimated maximum	0	Instrument sensitivity check			
possible concentration	0	Chromatographic resolution			
Definition of Qualifiers					
A - Acceptable data J - Approximate data due to g R - Reject data due to qualit	ualit y con	y control criteria trol criteria			

U - Not detected
S - [M-COCl] + ion did not meet S/N ratio >2.5 requirement

H - Did not meet the ion abundance criteria